



A

- 1) MATERIAL: N/A
- 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 2.11 lbs
- 8) WELDING: PER QSI 004
- 9) TRANSFER DRILL  $\varnothing 0.188$  DRAIN HOLE FROM WEARPLATE THRU SHIM
- 10) OPEN UP DRAIN HOLES IF NECESSARY TO  $\varnothing 0.188$  AFTER APPLYING TEXTURED COATING
- 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
- 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR  
APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
- 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
- 14) WEARPLATE FORM AND LUG POSITION PER DT10528

|            |          |   |                         |
|------------|----------|---|-------------------------|
| DESIGN     | ZF       | <b>DART AEROSPACE USA, INC.</b><br>HILLSBORO, OR  |                         |
| DRAWN      | ZF       |   |                         |
| CHECKED    | MW       | DRAWING NO.<br><b>D5665</b>   | REV. A5<br>SHEET 2 OF 9 |
| MFG. APPR. | DD       |   |                         |
| APPROVED   |          | TITLE<br><b>WEARPLATE ASSY</b>  | SCALE<br>NTS            |
| DE APPR.   |          |   |                         |
| DATE       | 18.11.27 | <b>COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.</b><br><small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small> |                         |

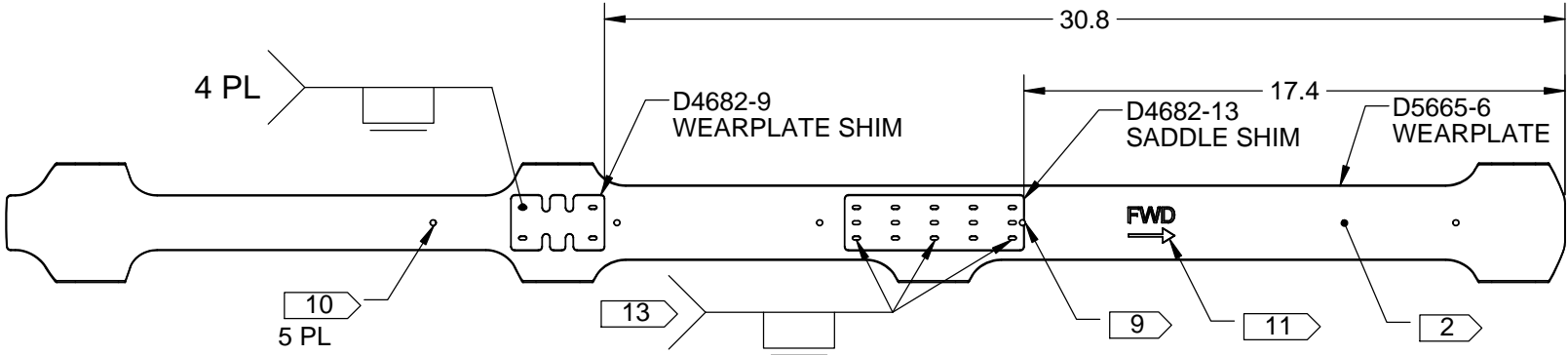
A

## WORK IN PROGRESS

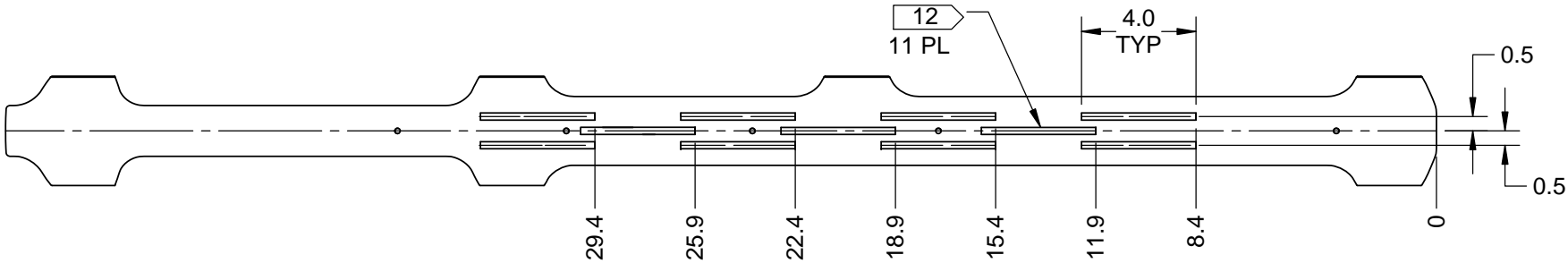
|            |                 |  |                         |
|------------|-----------------|--|-------------------------|
| DESIGN     | ZF              | <b>DART AEROSPACE USA, INC.</b><br>HILLSBORO, OR   |                         |
| DRAWN      | ZF              |  |                         |
| CHECKED    | MW              | DRAWING NO.<br><b>D5665</b>  | REV. A5<br>SHEET 3 OF 9 |
| MFG. APPR. | DD              |  |                         |
| APPROVED   |                 | TITLE  | SCALE                   |
| DE APPR.   |                 | <b>WEARPLATE ASSY</b>  | NTS                     |
| DATE       | <b>18.11.27</b> | <b>COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.</b><br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |                         |



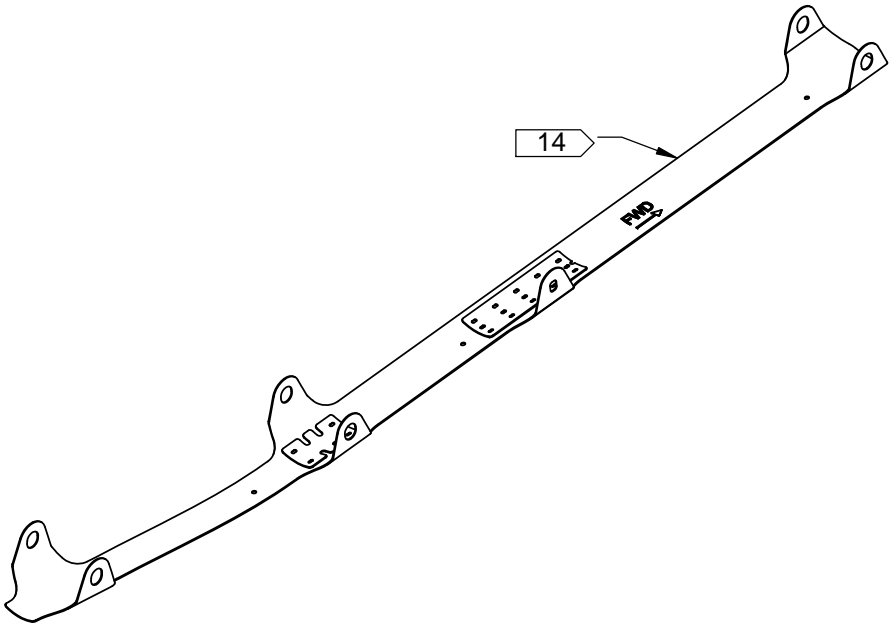
| QTY<br>-046 | P/N        | DESCRIPTION    |
|-------------|------------|----------------|
| X           | D5665-046  | WEARPLATE ASSY |
| 1           | D4682-9    | WEARPLATE SHIM |
| 1           | D4682-13   | SADDLE SHIM    |
| 1           | D5665-6    | WEARPLATE      |
| A/R         | 8259/2059B | HARDCOAT WELD  |



D5665-046 WEARPLATE ASSY



D5665-046 WEARPLATE ASSY  
(WELD BEAD DETAIL)

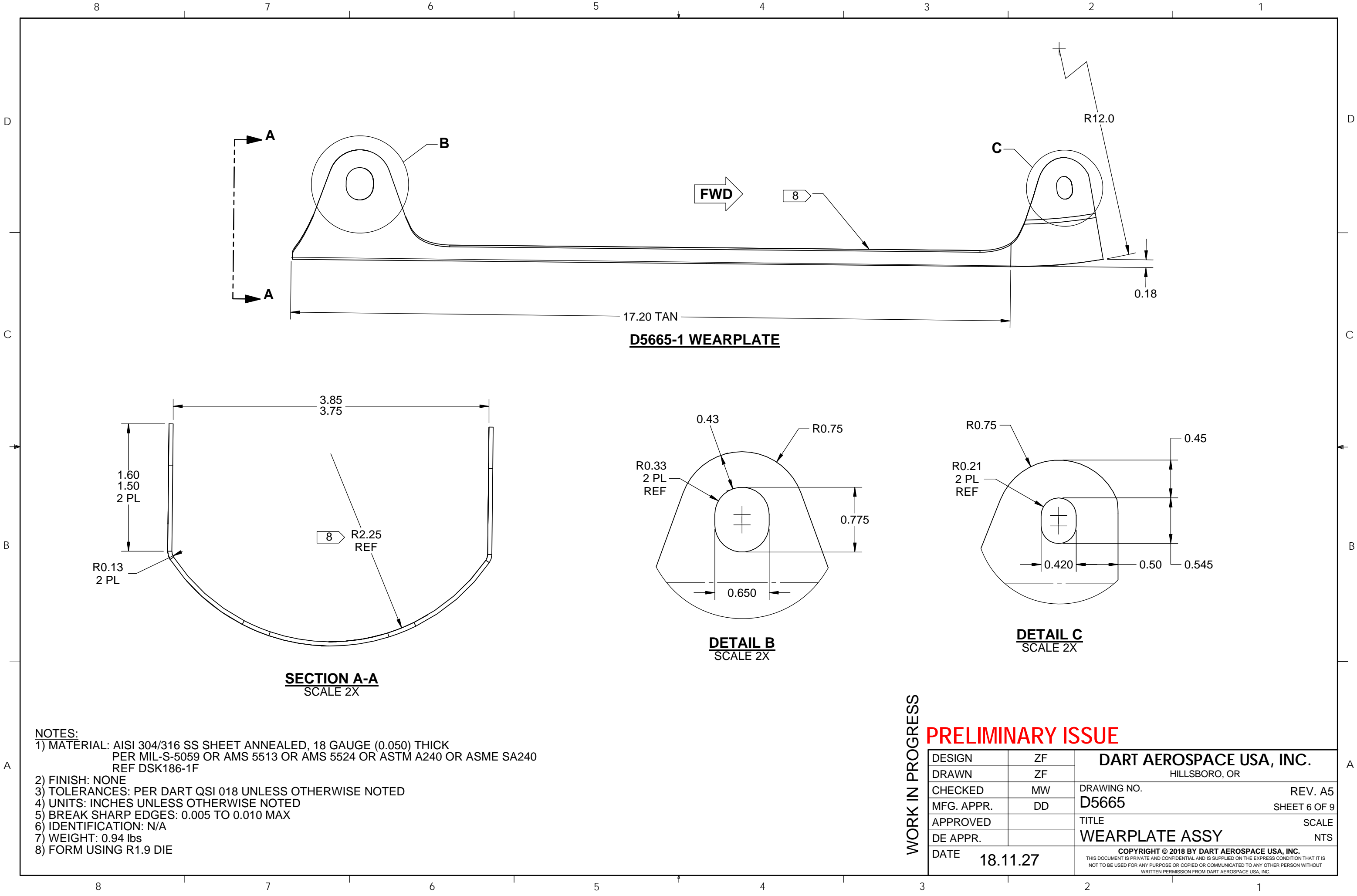


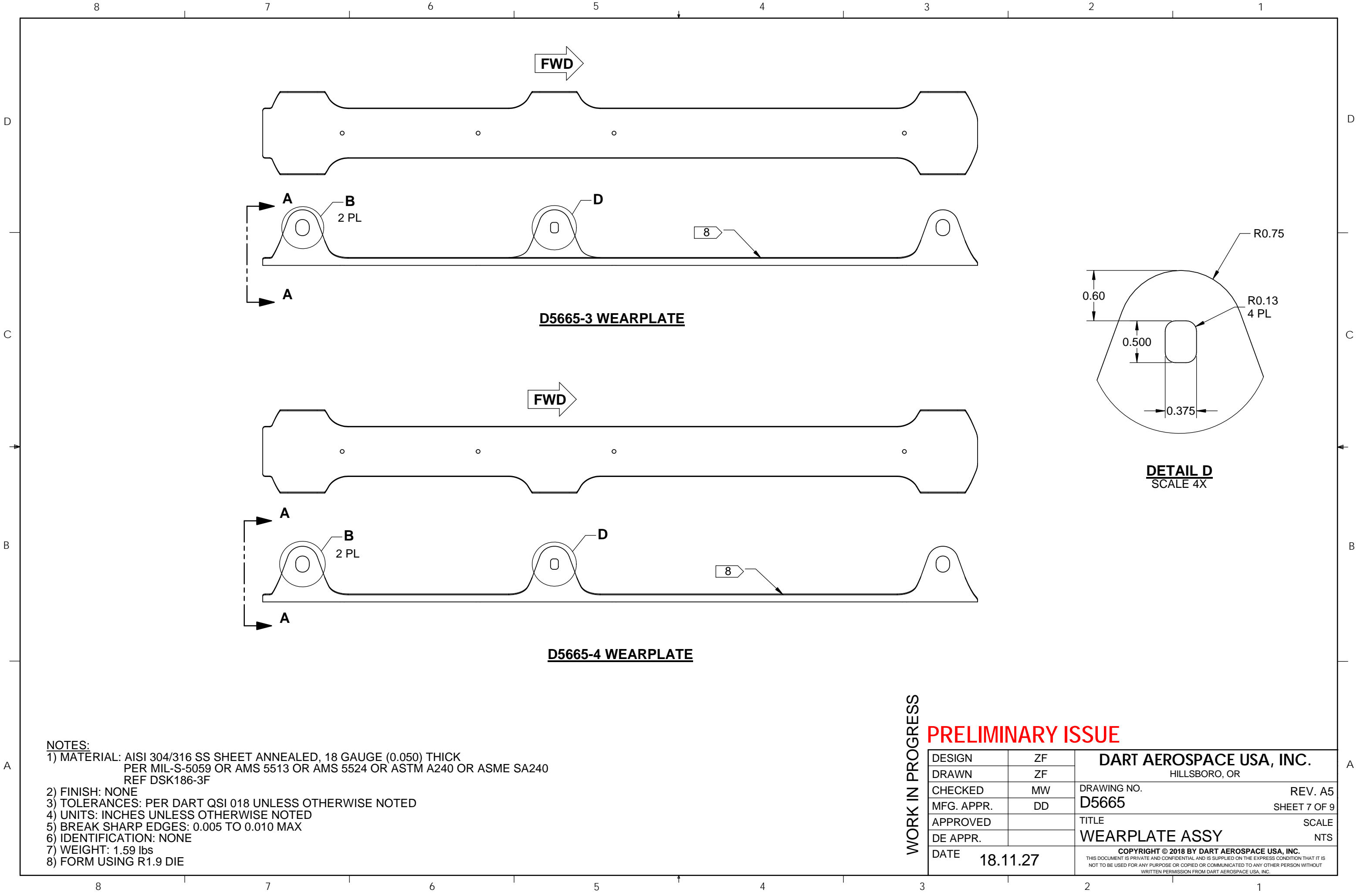
- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING, 0.020-0.040 THICK PER QSI 005 SECTION 4.9
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: N/A
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 2.70 lbs
  - 8) WELDING: PER QSI 004
  - 9) TRANSFER DRILL  $\varnothing$ 0.188 DRAIN HOLE FROM WEARPLATE THRU SHIM
  - 10) OPEN UP DRAIN HOLES IF NECESSARY TO  $\varnothing$ 0.188 AFTER APPLYING TEXTURED COATING
  - 11) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH
  - 12) APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 8259 ROD PER QSI 004 SECTION 4.5 (AUTOMATED WELDING) OR APPLY HARD SURFACING WELD BEAD 0.06 - 0.13 THICK USING 2059B ROD PER QSI 004 SECTION 4.1 (MANUAL WELDING)
  - 13) MINIMUM 7 WELDS DISTRIBUTED ACROSS SHIM AND MINIMUM 1 WELD PER INDICATED COLUMN
  - 14) WEARPLATE FORM AND LUG POSITION PER DT10529

WORK IN PROGRESS

PRELIMINARY ISSUE

|            |          |   |              |
|------------|----------|---|--------------|
| DESIGN     | ZF       | DART AEROSPACE USA, INC.<br>HILLSBORO, OR   |              |
| DRAWN      | ZF       |   |              |
| CHECKED    | MW       | DRAWING NO.   | REV. A5      |
| MFG. APPR. | DD       | D5665   | SHEET 5 OF 9 |
| APPROVED   |          | TITLE   | SCALE        |
| DE APPR.   |          | WEARPLATE ASSY  | NTS          |
| DATE       | 18.11.27 | COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |

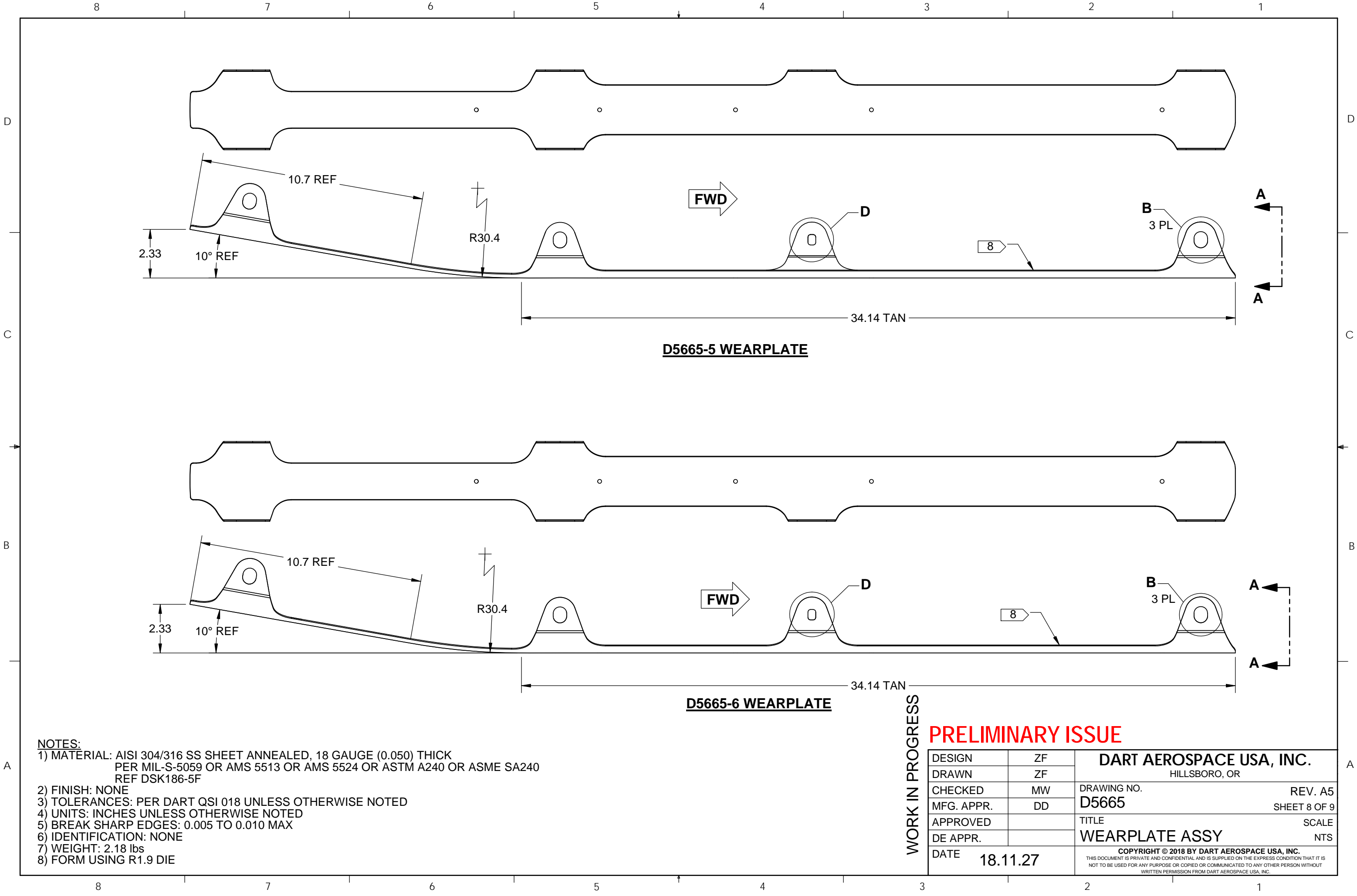




NOTES:  
1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK  
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240  
REF DSK186-3F  
2) FINISH: NONE  
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
4) UNITS: INCHES UNLESS OTHERWISE NOTED  
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
6) IDENTIFICATION: NONE  
7) WEIGHT: 1.59 lbs  
8) FORM USING R1.9 DIE

|                  |  |   |              |
|------------------|--|---|--------------|
| WORK IN PROGRESS |  | PRELIMINARY ISSUE   |              |
|                  |  | DESIGN  | ZF           |
|                  |  | DRAWN   | ZF           |
|                  |  | CHECKED   | MW           |
|                  |  | MFG. APPR.  | DD           |
|                  |  | APPROVED  |              |
|                  |  | DE APPR.  |              |
|                  |  | DATE  | 18.11.27     |
|                  |  | DART AEROSPACE USA, INC.<br>HILLSBORO, OR   |              |
|                  |  | DRAWING NO.   | REV. A5      |
|                  |  | D5665   | SHEET 7 OF 9 |
|                  |  | TITLE   | SCALE        |
|                  |  | WEARPLATE ASSY  | NTS          |
|                  |  | COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS<br>NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT<br>WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |





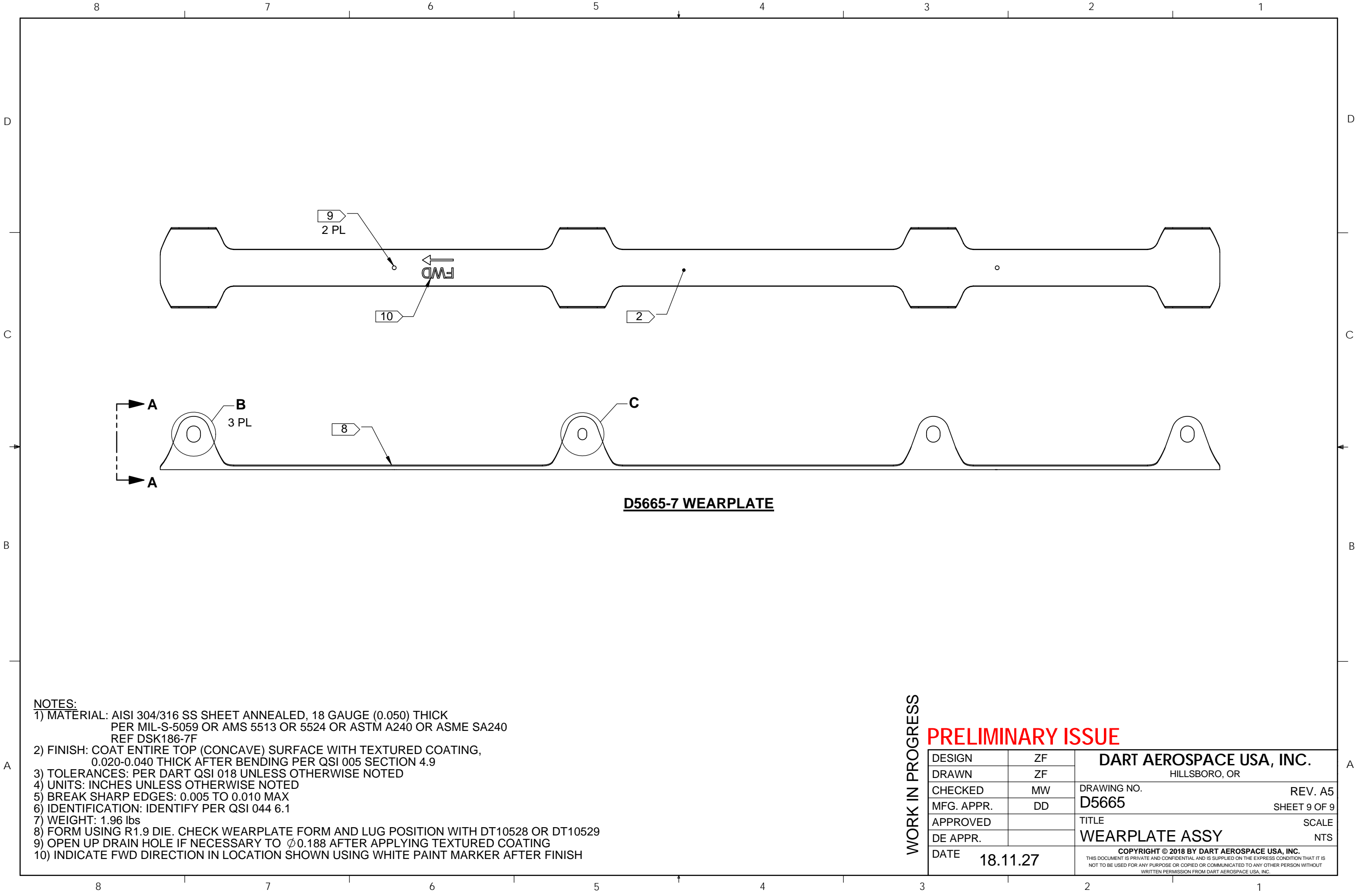
- NOTES:
- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK  
PER MIL-S-5059 OR AMS 5513 OR AMS 5524 OR ASTM A240 OR ASME SA240  
REF DSK186-5F
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: NONE
  - 7) WEIGHT: 2.18 lbs
  - 8) FORM USING R1.9 DIE

WORK IN PROGRESS

PRELIMINARY ISSUE

|            |          |   |              |
|------------|----------|---|--------------|
| DESIGN     | ZF       | DART AEROSPACE USA, INC.<br>HILLSBORO, OR   |              |
| DRAWN      | ZF       |   |              |
| CHECKED    | MW       | DRAWING NO.<br>D5665  | REV. A5      |
| MFG. APPR. | DD       |   | SHEET 8 OF 9 |
| APPROVED   |          | TITLE   | SCALE        |
| DE APPR.   |          | WEARPLATE ASSY  | NTS          |
| DATE       | 18.11.27 | COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |





- NOTES:**
- 1) MATERIAL: AISI 304/316 SS SHEET ANNEALED, 18 GAUGE (0.050) THICK  
PER MIL-S-5059 OR AMS 5513 OR 5524 OR ASTM A240 OR ASME SA240  
REF DSK186-7F
  - 2) FINISH: COAT ENTIRE TOP (CONCAVE) SURFACE WITH TEXTURED COATING,  
0.020-0.040 THICK AFTER BENDING PER QSI 005 SECTION 4.9
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 1.96 lbs
  - 8) FORM USING R1.9 DIE. CHECK WEARPLATE FORM AND LUG POSITION WITH DT10528 OR DT10529
  - 9) OPEN UP DRAIN HOLE IF NECESSARY TO  $\varnothing$ 0.188 AFTER APPLYING TEXTURED COATING
  - 10) INDICATE FWD DIRECTION IN LOCATION SHOWN USING WHITE PAINT MARKER AFTER FINISH

WORK IN PROGRESS

PRELIMINARY ISSUE

|            |          |   |              |
|------------|----------|---|--------------|
| DESIGN     | ZF       | DART AEROSPACE USA, INC.<br>HILLSBORO, OR   |              |
| DRAWN      | ZF       |   |              |
| CHECKED    | MW       | DRAWING NO.   | REV. A5      |
| MFG. APPR. | DD       | D5665   | SHEET 9 OF 9 |
| APPROVED   |          | TITLE   | SCALE        |
| DE APPR.   |          | WEARPLATE ASSY  | NTS          |
| DATE       | 18.11.27 | COPYRIGHT © 2018 BY DART AEROSPACE USA, INC.<br>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC. |              |